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Nixon & Vanderhye			10. AMPa 3	
1100 North Gig Arlington, VA	be Road 8th Floor 22201-4714		COLLINS, DARRYL J	
			ART 1 NI	PARER NOMES P
			DATE MARKED IS 27.2 # 3	

Please find below and or attached an Office communication concerning this application or proceeding.

		10/031 48	35	CHEN CHENG-HUAT,				
	Office Action Summary	Examiner	•	Art Unit				
		Darryl J O		2873				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM								
THE No. 1 Externance of the control	DRTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT issions of time may be available under the provisions of 37 G SIX (6) MONTHS from the mailing date of this communicat period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, by epily received by the Office later than three months after the dipatent term adjustment. See 37 CFR 1.704(b)	ION: DER 1 136(a) In no excitor s, a reply within the stati- period will apply and viz statute cause the appl	ent however may a reply be tim utory minimum of thirty (30) day: ill expire SIX (6) MONTHS from lication to become ABANDONEE	nely filed s will be considered timely the mailing date of this communication D (35 U S C 속 133)				
1)	Responsive to communication(s) filed o	n 22 January 200	02 .					
2a)[]	,	This action is						
3)[]	•			rosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213								
Disposition of Claims								
	Claim(s) 1-14 is/are pending in the appli		· In antina					
4a) Of the above claim(s) is/are withdrawn from consideration.								
	5) Claim(s) 1 and 4-14 is/are allowed.							
6) Claim(s) 2 and 3 is/are rejected.								
	7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement. Application Papers								
9) The specification is objected to by the Examiner.								
10) ☐ The drawing(s) filed on is/are _a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a)								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner								
It approved, ourrected drawings are required in reply to this Office action								
12) The oath or declaration is objected to by the Examiner.								
Priority ι	inder 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f)								
a)⊡ All_b)⊡ Some * c)⊡ None of:								
	1 🔁 Certified copies of the priority documents have been received.							
	Certified copies of the priority documents have been received in Application No							
* 5	3. Copies of the certified copies of th application from the Internation see the attached detailed Office action for	nal Bureau (PCT	Rule 17.2(a)).					
14) A	cknowledgment is made of a claim for do	mestic priority u	nder 35 U.S.C. § 119(r	e) (to a provisional application)				
) [] The translation of the foreign langua Acknowledgment is made of a claim for do							
Attachmen	-							
	e of References Oited (PTU-382) e of Oraffsperson's Patent Oilawing Review (PTO) a mat in Oish (sure orafen ent sill PT) ora44, (Paper)	46 • s 3	4 interview Summary 5 *, dice of informal in 2 imp:	, PTO 413 Papert, S Parent Application PT (14)				

Application No.

Applicant(s)

DETAILED ACTION

Specification

This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention

Claims 2 and 3 recite the limitation "the aperture stop" on page 16, lines 11 and 16, respectively. There is insufficient antecedent basis for this limitation in the claim.

Allowable Subject Matter

Claims 1 and 4-14 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented. Although the prior art teaches a compound lens system for use in an array (see Martin et al. (USPN 6224214 and McLaughlin (USPN 5993003)), the prior art fails to teach a front lens being characterized as having the largest diameter lens in the lens compound and further fails to teach that the exit pupil of the compound lens be bounded by and lies within the plane formed by the front lens surface as claimed in independent claim. For the instant invention. In fact Martin et al.

specifically teach away from the exit pupil location. Martin et al teach the exit pupil location (52) as being on the image side of the front lens (49) and not bounded therein

Independent claim 11 is deemed as patentably distinct over the prior art by the examiner as the prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. Again the prior art fails to teach the claimed subject matter of the instant invention, in particular the method of designing a compound lens system as claimed in independent claim 11. Because the prior art fails to teach a compound lens system having a front lens having a larger diameter than other lenses in the system and further having an exit pupil bounded by and in the plane of the front lens surface, a prior art rejection of the method for creating the system would be improper as outlined above.

Claims 2 and 3 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Darryl J. Collins whose telephone number is 703-308-6476. The examiner can normally be reached on 6.30-5.00 Monday - Thursday

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on 703-308-4883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7724 for regular communications and 703-308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956

dje

May 19, 2003

Sugarman